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Listing of Claims

1. (previously presented) A portable data storage device, which is equipped with a memory, comprising:
 - a hard disk unit for mounting a robust hard disk of a very small size and a large capacity and controlling the same;
 - a display unit for notifying a user of a state of the device;
 - an interface unit for transferring information with an external device and receiving power supplied from the external device, wherein the power supplied is sufficient for operation of at least the hard disk unit;
 - a control unit for controlling each of the units; and
 - a memory unit equipped with a ROM or RAM for providing a memory required for the control unit.
2. (original) The device of claim 1, wherein the hard disk unit includes:
 - a very small-sized hard disk which has a size of about 1 square inch, a storage capacity of 1 to 100GB, a very low power consumption and robustness;
 - a hard disk controller controlling the operation of the hard disk under control of the control unit; and
 - a hard disk connecting unit enabling the connection and linking between the hard disk controller and the very small-sized hard disk.
3. (previously presented) The device of claim 1, wherein the interface unit is any one of a USB interface, parallel interface, serial interface, PCMCIA interface or IEEE 1394 interface.
4. (previously presented) The device of claim 3, wherein, when connected to a personal computer with the interface equipped, the interface is automatically recognized as a virtual drive without turning on and off the power.
5. (previously presented) The device of claim 2, wherein the hard disk controller has inside a hard disk controller IC, the hard disk controller IC supporting the ATA/ATAPI mode or compact flash type.

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6. (previously presented) The device of claim 1, wherein the portable data storage device is of a size capable of being held by the hand and put into a pocket of a dress shirt when carried.

7. (original) The device of claim 2, wherein the very small-sized hard disk includes:

- a hard disk plate and a hard disk arm;
- a hard disk dedicated controller for directly controlling the hard disk arm and the hard disk plate; and
- a hard disk connector for connecting the hard disk and the hard disk controller, wherein the hard disk connector is a connector with 20 pins.

8. (previously presented) The device of claim 3, wherein, when the device is equipped with the USB or IEEE 1394 interface and a personal computer is booted from the USB or IEEE 1394 interface, the computing environment of the personal computer is implemented based on information stored in the device.